ELSEVIER

AUTHOR INDEX

A

Abdalrahim M. *See* Ansari SA
Alatakis S, Malham GM, Thien C. Spinal leptomeningeal metastasis from cerebral glioblastoma multiforme presenting with radicular pain. Case report and literature review, 33
Alkan T. *See* Kahveci FS
Al Moutaery KR. *See* Ansari SA
Alp S. *See* Corsten L
Andrews BT. Multiple intracranial lesions in head injury. Clinical considerations, prognostic factors, management, and results in 95 patients, 88-com
Andrews C. Intra-arterial papaverine-induced seizures: Case report and review of the literature, 163-com
Ansari SA, Mandoorah M, Abdalrahim M, Al Moutaery KR. Dorsal spine injuries in Saudi Arabia–an unusual cause, 181
Arai H. *See* Nakajima M
Araki T. *See* Miyagi Y
Arienta C. *See* Caroli M
Auguste KI, Quiñones-Hinojosa A, Lawton MT. The tandem bypass: Subclavian artery-to-middle cerebral artery bypass with Dacron and saphenous vein grafts. Technical case report, 164
Ausman JI. *See* Corsten L
Ausman JI. AANS and CNS merger: A follow-up, 136-ed
Ausman JI. A solution for the present state of neurosurgery practice, 215-ed
Ausman JI. Can we do any better?, 66-ed
Ausman JI. In this issue, 1-ed, 71-ed, 139-ed, 217-ed, 285-ed, 349-ed
Ausman JI. Is intraoperataive MR-guided surgery of value, 276-ed
Ausman JI. On technology, science, and tea: What are we doing and why?, 406-ed
Ausman JI. Some suggestions to improve our national societies, 282-ed
Ausman JI. The death of cerebral aneurysms surgery, 348-ed
Ausman JI. The right formula for a successful business or profession, 408-ed
Ausman JI. Transoral transclival removal of anteriorly placed cavernous malformations of the brainstem, 116-com
Ausman JI. Why U.S. neurosurgeons are in trouble: Competition, cost, containment, and caring, 137

B

Balbi S. *See* Caroli M
Benabid AL. Effect of bilateral subthalamic electrical stimulation in Parkinson's disease, 95-com
Benzel EC. Reoperation rates for acute graft extrusion and pseudarthrosis after one-level anterior corpectomy and fusion with and without plate instrumentation: Etiology and corrective management, 81-com
Bettag M. *See* Reisch R
Black PM. Intraoperative compensation for brain shift, 365-com
Black PM. The role of intraoperative magnetic resonance imaging for the detection of hemorrhagic complications during surgery for intracerebral lesions. An experimental approach, 275-com
Böcher-Schwarz H-G. *See* van Lindert EJ
Bonanno E. *See* Giuffrè I
Borges LF. Reoperation rates for acute graft extrusion and pseudarthrosis after one-level anterior corpectomy and fusion with and without plate instrumentation: Etiology and corrective management, 81-com
Bova FJ. *See* Ulm AJ
Bozkus H. *See* Uzan M
Bricolo A. Surgical management of hemangioblastoma. Report of 47 cases, 226-com
Broggi G, Franzini A, Ferroli P, Servello D, D'Incerti L, Genitrini S, Soliveri P, Girotti F, Caraceni T. Effect of bilateral subthalamic electrical stimulation in Parkinson's disease, 89
Brotchi J. Endodermal cyst of the quadrigeminal cistern: Case report, 389-com
Buttaro LM. *See* Mastronardi L

C

Caldarelli M, Colosimo C, Di Rocco C. Intra-axial dermoid/epidermoid tumors of the brainstem in children, 97
Campanella R. *See* Caroli M
Caraceni T. *See* Broggi G
Carhuapoma JR, Qureshi AI, Tamargo RJ, Mathis JM, Hanley DF. Intra-arterial papaverine-induced seizures: Case report and review of the literature, 159
Caroli M, Locatelli M, Campanella R, Balbi S, Martinelli F, Arienta C. Multiple intracranial lesions in head injury. Clinical considerations, prognostic factors, management, and results in 95 patients, 82
Carvalho GA. Posterior fossa meningiomas: Surgical experience in 161 cases, 20-com
Chang W-N. *See* Su T-M
Charbel F. *See* Corsten L
Chen H-J. *See* Su T-M
Chen W-J. *See* Huang H-Y

0090-3019/01/$–see front matter
PII S0090-3019(01)00706-6

© 2001 by Elsevier Science Inc.
655 Avenue of the Americas, New York, NY 10010

ELSEVIER

AUTHOR INDEX

A

Abdalrahim M. *See* Ansari SA
Alatakis S, Malham GM, Thien C. Spinal leptomeningeal metastasis from cerebral glioblastoma multiforme presenting with radicular pain. Case report and literature review, 33
Alkan T. *See* Kahveci FS
Al Moutaery KR. *See* Ansari SA
Alp S. *See* Corsten L
Andrews BT. Multiple intracranial lesions in head injury. Clinical considerations, prognostic factors, management, and results in 95 patients, 88-com
Andrews C. Intra-arterial papaverine-induced seizures: Case report and review of the literature, 163-com
Ansari SA, Mandoorah M, Abdalrahim M, Al Moutaery KR. Dorsal spine injuries in Saudi Arabia–an unusual cause, 181
Arai H. *See* Nakajima M
Araki T. *See* Miyagi Y
Arienta C. *See* Caroli M
Auguste KI, Quiñones-Hinojosa A, Lawton MT. The tandem bypass: Subclavian artery-to-middle cerebral artery bypass with Dacron and saphenous vein grafts. Technical case report, 164
Ausman JI. *See* Corsten L
Ausman JI. AANS and CNS merger: A follow-up, 136-ed
Ausman JI. A solution for the present state of neurosurgery practice, 215-ed
Ausman JI. Can we do any better?, 66-ed
Ausman JI. In this issue, 1-ed, 71-ed, 139-ed, 217-ed, 285-ed, 349-ed
Ausman JI. Is intraoperataive MR-guided surgery of value, 276-ed
Ausman JI. On technology, science, and tea: What are we doing and why?, 406-ed
Ausman JI. Some suggestions to improve our national societies, 282-ed
Ausman JI. The death of cerebral aneurysms surgery, 348-ed
Ausman JI. The right formula for a successful business or profession, 408-ed
Ausman JI. Transoral transclival removal of anteriorly placed cavernous malformations of the brainstem, 116-com
Ausman JI. Why U.S. neurosurgeons are in trouble: Competition, cost, containment, and caring, 137

B

Balbi S. *See* Caroli M
Benabid AL. Effect of bilateral subthalamic electrical stimulation in Parkinson's disease, 95-com
Benzel EC. Reoperation rates for acute graft extrusion and pseudarthrosis after one-level anterior corpectomy and fusion with and without plate instrumentation: Etiology and corrective management, 81-com
Bettag M. *See* Reisch R
Black PM. Intraoperative compensation for brain shift, 365-com
Black PM. The role of intraoperative magnetic resonance imaging for the detection of hemorrhagic complications during surgery for intracerebral lesions. An experimental approach, 275-com
Böcher-Schwarz H-G. *See* van Lindert EJ
Bonanno E. *See* Giuffrè I
Borges LF. Reoperation rates for acute graft extrusion and pseudarthrosis after one-level anterior corpectomy and fusion with and without plate instrumentation: Etiology and corrective management, 81-com
Bova FJ. *See* Ulm AJ
Bozkus H. *See* Uzan M
Bricolo A. Surgical management of hemangioblastoma. Report of 47 cases, 226-com
Broggi G, Franzini A, Ferroli P, Servello D, D'Incerti L, Genitrini S, Soliveri P, Girotti F, Caraceni T. Effect of bilateral subthalamic electrical stimulation in Parkinson's disease, 89
Brotchi J. Endodermal cyst of the quadrigeminal cistern: Case report, 389-com
Buttaro LM. *See* Mastronardi L

C

Caldarelli M, Colosimo C, Di Rocco C. Intra-axial dermoid/epidermoid tumors of the brainstem in children, 97
Campanella R. *See* Caroli M
Caraceni T. *See* Broggi G
Carhuapoma JR, Qureshi AI, Tamargo RJ, Mathis JM, Hanley DF. Intra-arterial papaverine-induced seizures: Case report and review of the literature, 159
Caroli M, Locatelli M, Campanella R, Balbi S, Martinelli F, Arienta C. Multiple intracranial lesions in head injury. Clinical considerations, prognostic factors, management, and results in 95 patients, 82
Carvalho GA. Posterior fossa meningiomas: Surgical experience in 161 cases, 20-com
Chang W-N. *See* Su T-M
Charbel F. *See* Corsten L
Chen H-J. *See* Su T-M
Chen W-J. *See* Huang H-Y

0090-3019/01/$–see front matter
PII S0090-3019(01)00706-6

© 2001 by Elsevier Science Inc.
655 Avenue of the Americas, New York, NY 10010

Cochran EJ. Pleomorphic xanthoastrocytoma with predominantly exophytic growth: Case report, 332-com
Colosimo C. *See* Caldarelli M
Corsten L, Raja A, Guppy K, Roitberg B, Misra M, Alp S, Charbel F, Debrun G, Ausman JI. Contemporary management of subarachnoid hemorrhage and vasospasm: The UIC experience, 140
Corsten LA. Spinal leptomeningeal metastasis from cerebral glioblastoma multiforme presenting with radicular pain. Case report and literature review, 37-com
Cristallini EG. *See* Mastronardi L
Csécsei GI. *See* Székely G

D

Dantas FLR. *See* de Carvalho GTC
Debrun G. *See* Corsten L
Debrun G. Angioplasty for cerebral vasospasm from eclampsia, 379-com
Debrun G. A tentorial dural arteriovenous fistula successfully treated with interruption of leptomeningeal venous drainage using microvascular doppler sonography. Case report, 61-com
Debrun G. Spinal dural arteriovenous fistula with supply from sacral arteries, 177-com
Debrun G. Symptomatic cavernous hemangioma of the occipital condyle treated with methacrylate embolization, 303-com
de Carvalho GTC, Fagundes-Pereyra WJ, Marques JAP, Dantas FLR, de Sousa AA. Congenital inclusion cysts of the anterior fontanelle, 400
de la Lama A. *See* Lagares A
Demaerel Ph. *See* Vantomme N
Dendi G. Endodermal cyst of the quadrigeminal cistern: Case report, 389-com
Desai KI. *See* Goel A
de Sousa AA. *See* de Carvalho GTC
de Sousa AA. Management outcome for ruptured anterior circulation aneurysms with a Hunt and Hess clinical grade of III in patients in the 9th decade of life, 300-com
Dickman CA. Pathological evaluation of intervertebral disc tissue specimens after routine cervical and lumbar decompression. A cost-benefit analysis retrospective study, 255-com
D'Incerti L. *See* Broggi G
Di Rocco C. *See* Caldarelli M
Doi M. *See* Ogasawara K
Dorsch NWC. Contemporary management of subarachnoid hemorrhage and vasospasm: The UIC experience, 149-com
Drummond K. The role of intraoperative magnetic resonance imaging for the detection of hemorrhagic complications during surgery for intracerebral lesions. An experimental approach, 275-com

E

Endo T, Numagami Y, Jokura H, Ikeda H, Shirane R, Yoshimoto T. *Aspergillus* parasellar abscess mimicking radiation-induced neuropathy. Case report, 195
Epstein FJ. Ganglioglioma of the brainstem: Report of three cases and review of the literature, 323-com
Epstein FJ. Surgical management of hemangioblastoma. Report of 47 cases, 226-com
Epstein NE. Reoperation rates for acute graft extrusion and pseudarthrosis after one-level anterior corpectomy and fusion with and without plate instrumentation: Etiology and corrective management, 73
Epstein NE. Technical note: Unilateral posterior resection of cervical disc and spondylostenosis with contralateral fusion for instability, 256
Ezura M. *See* Sato K

F

Fager CA. Spontaneous regression of a large lumbar disc herniation: Report of an illustrative case, 337-com
Fagundes-Pereyra WJ. *See* de Carvalho GTC
Fahlbusch R. *See* Nimsky C
Fahlbusch R. The role of intraoperative magnetic resonance imaging for the detection of hemorrhagic complications during surgery for intracerebral lesions. An experimental approach, 274-com
Faiola A. *See* Giuffrè I
Ferroli P. *See* Broggi G
Fessler RD. *See* Ringer AJ
Franzini A. *See* Broggi G
Friedman WA. *See* Ulm AJ
Fujii H. *See* Nakajima M
Fujioka S. *See* Hamada J-i
Fujita A, Tamaki N, Nakamura M, Yasuo K, Morikawa M. A tentorial dural arteriovenous fistula successfully treated with interruption of leptomeningeal venous drainage using microvascular Doppler sonography. Case report, 56
Fukui M. *See* Hata N

G

Ganslandt O. *See* Nimsky C
García-Marín V, Ravina J, Trujillo E, González-Feria L. Symptomatic cavernous hemangioma of the occipital condyle treated with methacrylate embolization, 301
Genitrini S. *See* Broggi G
George B. Symptomatic cavernous hemangioma of the occipital condyle treated with methacrylate embolization, 303-com
Gilsbach JM. Transoral transclival removal of anteriorly placed cavernous malformations of the brainstem, 115-com
Girotti F. *See* Broggi G
Giuffrè I, Faiola A, Bonanno E, Liccardo G. Solitary fibrous tumor of the orbit. Case report and review of the literature, 242
Goel A, Desai KI, Nadkarni TD, Muzumdar DP. An unusual post-traumatic occipitocervical pseudomeningocele. Case report, 62
Goffin J. *See* Vantomme N
Gómez PA. *See* Lagares A

González-Feria L. *See* García-Marín V
Goren B. *See* Kahveci FS
Goto T, Nishi T, Kunitoku N, Yamamoto K, Kitamura I, Takeshima H, Kochi M, Nakazato Y, Kuratsu J-i, Ushio Y. Suprasellar hemangioblastoma in a patient with von Hippel-Lindau disease confirmed by germline mutation study. Case report and review of the literature, 22
Guiducci A. *See* Mastronardi L
Gumustas K. *See* Uzan M
Guppy K. *See* Corsten L
Guterman LR. *See* Ringer AJ
Guzel O. *See* Uzan M
Guzman RP. *See* Ross IB

H

Hahn YS. An unusual post-traumatic occipitocervical pseudomeningocele. Case report, 65-com
Hahn YS. Craniofacial and Maxillofacial Surgery in Children and Young Adults, 69-br
Hall WA. Intraoperative compensation for brain shift, 365-com
Hamada J-i, Morioka M, Miura M, Fujioka S, Marubayashi T, Ushio Y. Managemanet outcome for ruptured anterior circulation aneurysms with a Hunt and Hess clinical grade of III in patients in the 9th decade of life, 294
Handa H. *See* Yamamoto A
Hanley DF. *See* Carhuapoma JR
Hara K. *See* Terao S
Harbaugh RE. Carotid endarterectomy results in the early years of practice, 50-com
Hardg RW Jr. Ganglion cyst in the ligamentum flavum of the cervical spine causing myelopathy: Report of two cases, 395-com
Hardy J. Neurohypophyseal germinoma traced from its earliest stage via magnetic resonance imaging: Case report, 241-com
Hassler W. *See* Hejazi N
Hastreiter P. *See* Nimsky C
Hata N, Inamura T, Imayama S, Morioka T, Nishio S, Miyazono M, Fukui M, Iwaki T. Multiple palisading granulomas in the scalp of an infant: A case report, 396
Hejazi N, Witzmann A, Hassler W. Ocular manifestations of sphenoid mucoceles: Clinical features and neurosurgical management of three cases and review of the literature, 338
Helgason CM. *See* Jobe TH
Henn J. Transoral transclival removal of anteriorly placed cavernous malformations of the brainstem, 116-com
Hishii M. *See* Nakajima M
Hoffman R. *See* Russell SM
Hopkins LN. *See* Ringer AJ
Horiuchi T. Contemporary management of subarachnoid hemorrhage and vasospasm: The UIC experience, 148-com
Houtteville J-P. Neoplastic growth of cerebral cavernous malformation presenting with impending cerebral herniation: A case report and review of the literature on de novo growth of cavernomas, 45-com
Huang H-Y, Liang C-L, Yang B-Y, Sung M-T, Lin J-W, Chen W-J. Isolated Rosai-Dorfman disease presenting as peripheral mononeuropathy and clinically mimicking a neurogenic tumor: Case report, 344
Hurst RW. *See* O'Brien WT Sr
Hyodo A. *See* Yanaka K

I

Ibata Y. *See* Ogino M
Ikeda H. *See* Endo T; Murakami K
Imayama S. *See* Hata N
Inamura T. *See* Hata N
Ishido K. *See* Miyagi Y
Iwai Y, Yamanaka K, Nakajima H. Two-staged gamma knife radiosurgery for the treatment of large petroclival and cavernous sinus meningiomas, 308
Iwaki T. *See* Hata N; Miyagi Y

J

Jafar JJ. *See* Russell SM
Jean WC. Recurrence of convexity meningiomas: Tumor cells in the arachnoid membrane, 235-com
Jobe TH, Helgason CM, Kim A, Roitberg B. "Show me the numbers": The application of numbers to medical science, 3
Jokura H. *See* Endo T; Yamashita Y
Jooma R. *See* Siddiqui AA

K

Kahveci FS, Kahveci N, Alkan T, Goren B, Korfali E, Ozluk K. Propofol *versus* isoflurane anesthesia under hypothermic conditions: Effects on intracranial pressure and local cerebral blood flow after diffuse traumatic brain injury in the rat, 206
Kahveci N. *See* Kahveci FS
Kalavakonda C. *See* Roberti F
Kamikaseda K. *See* Miyagi Y
Kamitani H, Masuzawa H, Kanazawa I, Kubo T. Recurrence of convexity meningiomas: Tumor cells in the arachnoid membrane, 228
Kanazawa I. *See* Kamitani H
Kanpolat Y. Effect of bilateral subthalamic electrical stimulation in Parkinson's disease, 95-com
Kanpolat Y, Savas A. Radiosurgery for trigeminal neuralgia, 67-rc
Kawase T. *See* Terao S
Kelly PJ. Stereotactic biopsy aided by a computer graphics workstation: experience with 200 consecutive cases, 372-com
Kida Y, Kobayashi T, Mori Y. Radiosurgery of cavernous hemangiomas in the cavernous sinus, 117
Kim A. *See* Jobe TH
Kim P. *See* Ogino M
Kim SH. *See* Ringer AJ
Kitamura I. *See* Goto T
Kobayashi S. A giant internal carotid posterior communicating artery aneurysm presenting with atypical trigeminal neuralgia and facial nerve palsy in a patient with autosomal dominant polycystic kidney disease: A case report, 131-com

Kobayashi S. The influence of surgical experience on the rate of intraoperative aneurysm rupture and its impact on aneurysm treatment outcome, 157-com
Kobayashi T. *See* Kida Y
Kobaysahi M. *See* Ogasawara K
Kobsysdhi S. Contemporary management of subarachnoid hemorrhage and vasospasm: The UIC experience, 148-com
Koch D. Stereotactic biopsy aided by a computer graphics workstation: experience with 200 consecutive cases, 372-com
Kochi M. *See* Goto T
Kodama N. Contemporary management of subarachnoid hemorrhage and vasospasm: The UIC experience, 149-com
Kohyama S, Nawashiro H, Shima K, Shimazaki H. Primary central nervous system lymphomaa with paraproteinemia, 325
Kolchinsky A. Neurosurgical intervention for Parkinson's disease: An update, 277
Kondo A. *See* Yamamoto A
Kondziolka D. Radiosurgery of cavernous hemangiomas in the cavernous sinus, 122-com
Konovalov A. Ganglioglioma of the brainstem: Report of three cases and review of the literature, 323-com
Konovalov AN. Surgical management of hemangioblastoma. Report of 47 cases, 227-com
Kopecky K. *See* Tekula F
Korfali E. *See* Kahveci FS
Kornblith PL. Intracranial dissemination from thoracic spinal cord anaplastic astrocytoma in a patient with idiopathic CD4-positive T lymphocytopenia. Case report, 41-com
Kornblith PL. Primary central nervous system lymphomas with paraproteinemia, 329-com
Kornblith PL. Relationships among DNA index, S-phase, and invasive behavior in anterior pituitary adenomas. A cytometric study of 61 cases with Feulgen-positive DNA analysis, 32-com
Kubo T. *See* Kamitani H
Kuday C. *See* Uzan M
Kumabe T. *See* Yamashita Y
Kumar A. Improvement of chronic hearing loss after shunt revision. A case report, 188-com
Kunitoku N. *See* Goto T
Kuratsu J-i. *See* Goto T

L

Lagares A, Gómez PA, Lobato RD, Ricoy JR, Ramos A, de la Lama A. Ganglioglioma of the brainstem: Report of three cases and review of the literature, 315
Laidlaw J. Hypertensive basal ganglia hemorrhage: A prospective study comparing surgical and nonsurgical management, 292-com
Lawton MT. *See* Auguste KI
Lee KC. Management outcome for ruptured anterior circulation aneurysms with a Hunt and Hess clinical grade of III in patients in the 9th decade of life, 300-com
Lee T-J. *See* Su T-M
Lemole GM Jr. Transoral transclival removal of anteriorly placed cavernous malformations of the brainstem, 116-com
Liang C-L. *See* Huang H-Y; Su T-M
Liccardo G. *See* Giuffrè I
Liliang P-C. *See* Su T-M
Lin J-W. *See* Huang H-Y
Linskey ME. Radiosurgery of cavernous hemangiomas in the cavernous sinus, 122-com
Lin Y-C. *See* Su T-M
Liu A. *See* Wang C
Lobato RD. *See* Lagares A
Locatelli M. *See* Caroli M
Loftus CM. Carotid endarterectomy results in the early years of practice, 49-com
Long DM. Recurrence of convexity meningiomas: Tumor cells in the arachnoid membrane, 235-com
Lu C-H. *See* Su T-M
Lunsford LD. Radiosurgery for trigeminal neuralgia, 68-rc

M

Maira G. *See* Mastronardi L
Malham GM. *See* Alatakis S
Malis LI. Usefulness of color Doppler ultrasound in the management of a spinal arteriovenous fistula, 307-com
Mandoorah M. *See* Ansari SA
Maroon JC. Solitary fibrous tumor of the orbit. Case report and review of the literature, 246-com
Marques JAP. *See* de Carvalho GTC
Martinelli F. *See* Caroli M
Marubayashi T. *See* Hamada J-i
Mastronardi L, Guiducci A, Buttaro FM, Cristallini EG, Puzzilli F, Maira G. Relationships among DNA index, S-phase, and invasive behavior in anterior pituitary adenomas. A cytometric study of 61 cases with Feulgen-positive DNA analysis, 27
Masuzawa H. *See* Kamitani H
Mathis JM. *See* Carhuapoma JR
Maumar DJ. Ganglion cyst in the ligamentum flavum of the cervical spine causing myelopathy: Report of two cases, 395-com
McMahon J. The influence of surgical experience on the rate of intraoperative aneurysm rupture and its impact on aneurysm treatment outcome, 157-com
Misra M. *See* Corsten L
Miura M. *See* Hamada J-i
Miyagi Y, Suzuki SO, Iwaki T, Shima F, Ishido K, Araki T, Kamikaseda K. Pleomorphic xanthoastrocytoma with predominantly exophytic growth: Case report, 330
Miyajima M. *See* Nakajima M
Miyazono M. *See* Hata N
Morii K. *See* Oishi M
Morikawa M. *See* Fujita A
Morioka M. *See* Hamada J-i
Morioka T. *See* Hata N
Mori Y. *See* Kida Y
Muizelaar JP. Nitric oxide (NO) metabolism in the cerebrospinal fluid of patients with severe head injury: inflammation as a possible cause of elevated NO metabolites, 356-com
Muraishi K. *See* Murakami K

Murakami K, Muraishi K, Ikeda H, Yoshimoto T. Plasma cell granuloma of the pituitary gland. Case report, 247
Muzumdar DP. *See* Goel A

N
Nadkarni TD. *See* Goel A
Nakajima H. *See* Iwai Y
Nakajima M, Miyajima M, Hishii M, Arai H, Sato K, Fujii H. Endodermal cyst of the quadrigeminal cistern: Case report, 385
Nakamura M. *See* Fujita A
Nakazato Y. *See* Goto T
Nanda A. *See* Reddy P
Nawashiro H. *See* Kohyama S
Ng PY. *See* Tan SH
Nimsky C, Ganslandt O, Hastreiter P, Fahlbusch R. Intraoperative compensation for brain shift, 357
Nimsky C. The role of intraoperative magnetic resonance imaging for the detection of hemorrhagic complications during surgery for intracerebral lesions. An experimental approach, 274-com
Nishio S. *See* Hata N
Nishi T. *See* Goto T
Nishiura I. *See* Yamamoto A
Nose T. *See* Yanaka K
Numagami Y. *See* Endo T

O
O'Brien WT Sr, Schwartz ED, Hurst RW, Sinson G. Spinal dural arteriovenous fistula with supply from sacral arteries, 175
Ogasawara K, Yoshida K, Otawara Y, Kobayasahi M, Yasuda S, Doi M, Ogawa A. Cerebral blood flow imaging in arteriovenous malformation complicated by normal perfusion pressure breakthrough, 380
Ogawa A. *See* Ogasawara K
Ogino M, Kim P, Ibata Y. An intraoperative irrigation device using disposable syringes and an extension tube: Technical note, 132
Ohira T. *See* Terao S
Oishi M, Morii K, Okazaki H, Tamura T, Yanaka R. Neurohypophyseal germinoma traced from its earliest stage via magnetic resonance imaging: Case report, 236
Okazaki H. *See* Oishi M
Ong PL. *See* Tan SH
Ostertag C. Stereotactic biopsy aided by a computer graphics workstation: experience with 200 consecutive cases, 372-com
Otawara Y. *See* Ogasawara K
Ozluk K. *See* Kahveci FS

P
Pagni CA. Reoperation rates for acute graft extrusion and pseudarthrosis after one-level anterior corpectomy and fusion with and without plate instrumentation: Etiology and corrective management, 80-com
Pawl RP. Spontaneous regression of a large lumbar disc herniation: Report of an illustrative case, 337-com
Pearce JE. Reoperation rates for acute graft extrusion and pseudarthrosis after one-level anterior corpectomy and fusion with and without plate instrumentation: Etiology and corrective management, 80-com
Perneczky A. *See* Reisch R; van Lindert EJ
Plets C. *See* Vantomme N
Portnoy HD. Anterior cervical discectomy and fusion, 178
Prestor B. Microsurgical junctional DREZ coagulation for treatment of deafferentation pain syndromes, 259
Pritz, MB. *See* Tekula F
Puzzilli F. *See* Mastronardi L

Q
Quiñones-Hinojosa A. *See* Auguste KI
Qureshi AI. *See* Carhuapoma JR; Ringer AJ

R
Raja A. *See* Corsten L; Slavin KV
Ramos A. *See* Lagares A
Rau C-S. *See* Su T-M
Ravina J. *See* García-Marín V
Reddy P, Williams R, Willis B, Nanda A. Pathological evaluation of intervertebral disc tissue specimens after routine cervical and lumbar decompression. A cost-benefit analysis retrospective study, 252
Reisch R, Bettag M, Perneczky A. Transoral transclival removal of anteriorly placed cavernous malformations of the brainstem, 106
Ricoy JR. *See* Lagares A
Ringer AJ, Qureshi AI, Kim SH, Fessler RD, Guterman LR, Hopkins LN. Angioplasty for cerebral vasospasm from eclampsia, 373
Roberti F, Sekhar LN, Kalavakonda C, Wright DC. Posterior fossa meningiomas: Surgical experience in 161 cases, 8
Roberts DW. Intraoperative compensation for brain shift, 365-com
Rohde V, Rohde I, Thiex R, Küker W, Ince A, Gilsbach JM. The role of intraoperative magnetic resonance imaging for the detection of hemorrhagic complications during surgery for intracerebral lesions. An experimental approach, 266
Rohde V. Transoral transclival removal of anteriorly placed cavernous malformations of the brainstem, 115-com
Roitberg B. *See* Corsten L; Jobe TH
Roitberg B. Suprasellar hemangioblastoma in a patient with von Hippel-Lindau disease confirmed by germline mutation study. Case report and review of the literature, 26-com
Roitberg B. The Facial Nerve: May's Second Edition, 69-br
Rosenberg RN. Lhermitte-Duclos disease is a clinical manifestation of Cowden's syndrome, 204-com
Ross IB, Guzman RP. Carotid endarterectomy results in the early years of practice, 46
Rueda-Franco F. Intra-axial dermoid/epidermoid tumors of the brainstem in children, 105-com

Russell SM, Hoffman R, Jafar JJ. Improvement of chronic hearing loss after shunt revision. A case report, 185

S

Sadasivan B. Hypertensive basal ganglia hemorrhage: A prospective study comparing surgical and nonsurgical management, 292-com
Sakai K. The influence of surgical experience on the rate of intraoperative aneurysm rupture and its impact on aneurysm treatment outcome, 157-com
Samii M. Posterior fossa meningiomas: Surgical experience in 161 cases, 20-com
Samson D. The influence of surgical experience on the rate of intraoperative aneurysm rupture and its impact on aneurysm treatment outcome, 157-com
Sato K. *See* Nakajima M
Sato K, Ezura M, Takahashi A, Yoshimoto T. Fusiform aneurysm of the vertebral artery presenting hemifacial spasm treated by intravascular embolization. Case report, 52
Savas A. *See* Kanpolat Y
Savas A. Effect of bilateral subthalamic electrical stimulation in Parkinson's disease, 95-com
Schwartz ED. *See* O'Brien WT Sr
Sciot R. *See* Vantomme N
Sekhar LN. *See* Roberti F
Sen C. Posterior fossa meningiomas: Surgical experience in 161 cases, 20-com
Servello D. *See* Broggi G
Shima F. *See* Miyagi Y
Shima K. *See* Kohyama S
Shimazaki H. *See* Kohyama S
Shirane R. *See* Endo T
Siddiqui AA, Jooma R. Neoplastic growth of cerebral cavernous malformation presenting with impending cerebral herniation: A case report and review of the literature on de novo growth of cavernomas, 42
Sinson G. *See* O'Brien WT Sr
Slavin KV. Brain Atlas for Functional Imaging (CD-ROM), 69-br
Slavin KV. Effect of bilateral subthalamic electrical stimulation in Parkinson's disease, 94-com
Slavin KV. Microsurgical junctional DREZ coagulation for treatment of deafferentation pain syndromes, 265-com
Slavin KV, Raja A, Thornton J, Wagner FC Jr. Spontaneous regression of a large lumbar disc herniation: Report of an illustrative case, 333
Soliveri P. *See* Broggi G
Solomon RA. A giant internal carotid posterior communicating artery aneurysm presenting with atypical trigeminal neuralgia and facial nerve palsy in a patient with autosomal dominant polycystic kidney disease: A case report, 131-com
Solomon RA. Contemporary management of subarachnoid hemorrhage and vasospasm: The UIC experience, 148-com
Solomon RA. The influence of surgical experience on the rate of intraoperative aneurysm rupture and its impact on aneurysm treatment outcome, 156-com
Spetzler RF. Transoral transclival removal of anteriorly placed cavernous malformations of the brainstem, 116-com
Sun B. *See* Wang C
Sung M-T. *See* Huang H-Y
Su T-M, Lin Y-C, Lu C-H, Chang W-N, Liliang P-C, Rau C-S, Liang C-L, Tsai Y-D, Lee T-J, Chen H-J. Streptococcal brain abscess: Analysis of clinical features in 20 patients, 189
Suzuki SO. *See* Miyagi Y
Sypert GW. Reoperation rates for acute graft extrusion and pseudarthrosis after one-level anterior corpectomy and fusion with and without plate instrumentation: Etiology and corrective management, 80-com
Sypert GW. Technical note: Unilateral posterior resection of cervical disc and spondylostenosis with contralateral fusion for instability, 258-com
Székely G, Csécsei GI.Anteposition of the internal carotid artery for surgical treatment of kinking, 124

T

Takahashi A. *See* Sato K
Takeshima H. *See* Goto T
Tamaki N. *See* Fujita A
Tamargo RJ. *See* Carhuapoma JR
Tamura T. *See* Oishi M
Tanriover N. *See* Uzan M
Tan SH, Ng PY, Yeo TT, Wong SH, Ong PL, Venketasubramanian N. Hypertensive basal ganglia hemorrhage: A prospective study comparing surgical and nonsurgical management, 287
Tekula F, Pritz MB, Kopecky K, Willing SJ. Usefulness of color Doppler ultrasound in the management of a spinal arteriovenous fistula, 304
Terao S, Hara K, Yoshida K, Ohira T, Kawase T. A giant internal carotid posterior communicating artery aneurysm presenting with atypical trigeminal neuralgia and facial nerve palsy in a patient with autosomal dominant polycystic kidney disease: A case report, 127
Thien C. *See* Alatakis S
Thornton J. *See* Slavin KV
Tominaga T. *See* Yamashita Y
Trujillo E. *See* García-Marín V
Tsai Y-D. *See* Su T-M

U

Ulm AJ, Bova FJ, Friedman WA. Stereotactic biopsy aided by a computer graphics workstation: experience with 200 consecutive cases, 366
Ushio Y. *See* Goto T; Hamada J-i
Uzan M, Tanriover N, Bozkus H, Gumustas K, Guzel O, Kuday C. Nitric oxide (NO) metabolism in the cerebrospinal fluid of patients with severe head injury: inflammation as a possible cause of elevated NO metabolites, 350

V

Van Calenbergh F. *See* Vantomme N

VanGilder JC. *Aspergillus* parasellar abscess mimicking radiation-induced neuropathy. Case report, 200-com
VanGilder JC. Neurohypophyseal germinoma traced from its earliest stage via magnetic resonance imaging: Case report, 241-com
van Lindert EJ, Böcher-Schwarz H-G, Perneczky A. The influence of surgical experience on the rate of intraoperative aneurysm rupture and its impact on aneurysm treatment outcome, 151
van Loveren HR. Recurrence of convexity meningiomas: Tumor cells in the arachnoid membrane, 235-com
Vantomme N, Van Calenbergh F, Goffin J, Sciot R, Demaerel Ph, Plets C. Lhermitte-Duclos disease is a clinical manifestation of Cowden's syndrome, 201
Venketasubramanian N. *See* Tan SH

W

Wagner FC Jr. *See* Slavin KV
Wang C, Zhang J, Liu A, Sun B. Surgical management of hemangioblastoma. Report of 47 cases, 218
Wang C-c. Ganglioglioma of the brainstem: Report of three cases and review of the literature, 322-com
Williams R. *See* Reddy P
Willing SJ. *See* Tekula F
Willis B. *See* Reddy P
Wirth FP. Technical note: Unilateral posterior resection of cervical disc and spondylostenosis with contralateral fusion for instability, 258-com
Witzmann A. *See* Hejazi N
Wong SH. *See* Tan SH
Wright DC. *See* Roberti F

Y

Yamamoto A, Nishiura I, Handa H, Kondo A. Ganglion cyst in the ligamentum flavum of the cervical spine causing myelopathy: Report of two cases, 390
Yamamoto K. *See* Goto T
Yamanaka K. *See* Iwai Y
Yamashita Y, Kumabe T, Jokura H, Tominaga T, Yoshimoto T. Intracranial dissemination from thoracic spinal cord anaplastic astrocytoma in a patient with idiopathic CD4-positive T lymphocytopenia. Case report, 39
Yanaka K, Hyodo A, Nose T. Venous malformation serving as the draining vein of an adjoining arteriovenous malformation. Case report and review of the literature, 170
Yanaka R. *See* Oishi M
Yang B-Y. *See* Huang H-Y
Yasuda S. *See* Ogasawara K
Yasuo K. *See* Fujita A
Yeo TT. *See* Tan SH
Yonas H. Cerebral blood flow imaging in arteriovenous malformation complicated by normal perfusion pressure breakthrough, 384-com
Yoshida K. *See* Ogasawara K; Terao S
Yoshimoto T. *See* Endo T; Murakami K; Sato K; Yamashita Y
Yoshimoto T. Management outcome for ruptured anterior circulation aneurysms with a Hunt and Hess clinical grade of III in patients in the 9th decade of life, 300-com
Yoshimoto T. The tandem bypass: Subclavian artery-to-middle cerebral artery bypass with Dacron and saphenous vein grafts. Technical case report, 169-com
Young RF. Two-staged gamma knife radiosurgery for the treatment of large petroclival and cavernous sinus meningiomas, 314-com

Z

Zager EL. Hypertensive basal ganglia hemorrhage: A prospective study comparing surgical and nonsurgical management, 293-com
Zhang J. *See* Wang C

SUBJECT INDEX

A
AANS and CNS merger, 136–ed
Anesthesia, propofol vs. isoflurane under hypothermic conditions: effects on intracranial pressure and local cerebral blood flow after diffuse traumatic brain injury in rat, 206
Aneurysms
  death of cerebral aneurysm surgery, 348–ed
  fusiform aneurysm of vertebral artery presenting with hemifacial spasm treated by intravascular embolization, 52
  giant internal carotid-posterior communicating artery aneurysm presenting with atypical trigeminal neuralgia and facial palsy in patient with autosomal dominant polycystic kidney disease, 127
  influence of surgical experience on rate of intraoperative aneurysm rupture and impact on aneurysm treatment outcome, 151
  management outcome for ruptured anterior circulation aneurysms with a Hunt and Hess clinical grade of III in patients in the 9th decade of life, 294
  tandem bypass: subclavian artery-to-middle cerebral artery bypass with Dacron and saphenous vein grafts, 164
Angiography
  anteposition of internal carotid artery for surgical treatment of kinking, 124
  Aspergillus parasellar abscess mimicking radiation-induced neuropathy, 195
  fusiform aneurysm of vertebral artery presenting with hemifacial spasm treated by intravascular embolization, 52
  giant internal carotid-posterior communicating artery aneurysm presenting with atypical trigeminal neuralgia and facial palsy in patient with autosomal dominant polycystic kidney disease, 127
  intra-arterial papaverine-induced seizures, 159
  spinal dural arteriovenous fistula with supply from sacral arteries, 175
  surgical management of medullary hemangioblastoma, 218
  tandem bypass: subclavian artery-to-middle cerebral artery bypass with Dacron and saphenous vein grafts, 164
  tentorial dural arteriovenous fistula successfully treated with interruption of leptomeningeal venous drainage using microvascular Doppler sonography, 56
  venous malformation serving as draining vein of adjoining arteriovenous malformation, 170
Angioplasty, for cerebral vasospasm from eclampsia, 373
Anterior fontanelle, congenital inclusion cysts of, 400
Arachnoid membrane, tumor cells in, recurrence of convexity meningiomas, 228
Arteriovenous fistula
  spinal, usefulness of color Doppler ultrasound in management of, 304
  spinal dural, with supply from sacral arteries, 175
  tentorial dural, successfully treated with interruption of leptomeningeal venous drainage using microvascular Doppler sonography, 56
Arteriovenous malformation
  complicated by normal perfusion pressure breakthrough, cerebral blood flow imaging in, 380
  venous malformation serving as draining vein of adjoining arteriovenous malformation, 170
Aspergillus parasellar abscess, mimicking radiation-induced neuropathy, 195
Astrocytoma
  intracranial dissemination from thoracic spinal cord anaplastic astrocytoma in patient with idiopathic CD4-positive T lymphocytopenia, 39
  pleomorphic xanthoastrocytoma with predominantly exophytic growth, 330

B
Basal ganglia hemorrhage, hypertensive: prospective study comparing surgical and nonsurgical management, 287
Biopsy, stereotactic, aided by a computer graphics workstation, 366
BOOK REVIEWS
  Brain Atlas for Functional Imaging (CD-ROM), 69
  Craniofacial and Maxillofacial Surgery in Children and Young Adults, 69
  The Facial Nerve: May's Second Edition, 69
Brain abscess
  Aspergillus parasellar abscess mimicking radiation-induced neuropathy, 195
  streptococcal, 189
Brain shift, intraoperative compensation for, 357
Brain tumors
  ganglioglioma of brainstem, 315
  intra-axial dermoid/epidermoid tumors of brainstem in children, 97
  intraoperative compensation for brain shift, 357
  neurohypophyseal germinoma traced from its earliest stage via magnetic resonance imaging, 236
  pleomorphic xanthoastrocytoma with predominantly exophytic growth, 330
  posterior fossa meningiomas, 8
  recurrence of convexity meningiomas: tumor cells in arachnoid membrane, 228

© 2001 by Elsevier Science Inc.
655 Avenue of the Americas, New York, NY 10010

0090-3019/01/$–see front matter
PII S0090-3019(01)00707-8

spinal leptomeningeal metastasis from cerebral glioblastoma multiforme presenting with radicular pain, 33
stereotactic biopsy aided by a computer graphics workstation, 366
suprasellar hemangioblastoma in patient with von Hippel-Lindau disease, 22
surgical management of medullary hemangioblastoma, 218
two-staged gamma knife radiosurgery for treatment of large petroclival and cavernous sinus meningiomas, 308
Brainstem
ganglioglioma of, 315
intra-axial dermoid/epidermoid tumors in children, 97
transoral transclival removal of anteriorly placed cavernous malformations of, 106

C
Carotid arteries
anteposition of internal carotid artery for surgical treatment of kinking, 124
endarterectomy results in early years of practice, 46
giant internal carotid-posterior communicating artery aneurysm presenting with atypical trigeminal neuralgia and facial palsy in patient with autosomal dominant polycystic kidney disease, 127
Cavernous hemangioma
in cavernous sinus, radiosurgery of, 117
neoplastic growth of cerebral cavernous malformation presenting with impending cerebral herniation, 42
symptomatic, of occipital condyle treated with methacrylate embolization, 301
transoral transclival removal of anteriorly placed cavernous malformations of brainstem, 106
Cell transplantation, neurosurgical intervention for Parkinson's disease, 277
Cerebral blood flow
imaging of, in arteriovenous malformation complicated by normal perfusion pressure breakthrough, 380
propofol vs. isoflurane under hypothermic conditions: effects on intracranial pressure and local cerebral blood flow after diffuse traumatic brain injury in rat, 206
Cerebral herniation, neoplastic growth of cerebral cavernous malformation presenting with impending cerebral herniation, 42
Cerebral vasospasm
contemporary management of subarachnoid hemorrhage and, 140
from eclampsia, angioplasty for, 373
intra-arterial papaverine-induced seizures, 159
Cerebrospinal fluid
improvement of chronic hearing loss after shunt revision, 185
nitric oxide metabolism in cerebrospinal fluid of patients with severe head injury, 350
Cervical spine
anterior cervical discectomy and fusion, 178
ganglion cyst in ligamentum flavum of cervical spine causing myelopathy, 390
pathological evaluation of intervertebral disc tissue specimens after routine cervical and lumbar decompression, 252
reoperation rates for acute graft extrusion and pseudarthrosis after one-level anterior corpectomy and fusion with and without plate instrumentation, 73
technical note: unilateral posterior resection of cervical disc and spondylostenosis with contralateral fusion for instability, 256
Cisterna magna, post-traumatic occipitocervical pseudomeningocele, 62
Complications
carotid endarterectomy results in early years of practice, 46
improvement of chronic hearing loss after shunt revision, 185
intra-arterial papaverine-induced seizures, 159
intraoperative magnetic resonance imaging for detection of hemorrhagic complications during surgery for intracerebral lesions, 266
of posterior fossa meningiomas, 8
reoperation rates for acute graft extrusion and pseudarthrosis after one-level anterior corpectomy and fusion with and without plate instrumentation, 73
Computed tomography
dorsal spine injuries in Saudi Arabia, 181
multiple intracranial lesions in head injury, 82
neoplastic growth of cerebral cavernous malformation presenting with impending cerebral herniation, 42
post-traumatic occipitocervical pseudomeningocele, 62
recurrence of convexity meningiomas: tumor cells in arachnoid membrane, 228
reoperation rates for acute graft extrusion and pseudarthrosis after one-level anterior corpectomy and fusion with and without plate instrumentation, 73
tandem bypass: subclavian artery-to-middle cerebral artery bypass with Dacron and saphenous vein grafts, 164
transoral transclival removal of anteriorly placed cavernous malformations of brainstem, 106
unilateral posterior resection of cervical disc and spondylostenosis with contralateral fusion for instability, 256
venous malformation serving as draining vein of adjoining arteriovenous malformation, 170
Computer graphics workstation, stereotactic biopsy aided by, 366
Congenital inclusion cysts of anterior fontanelle, 400
Cost-benefit analysis
is intraoperative MR-guided surgery of value?, 276
pathological evaluation of intervertebral disc tissue specimens after routine cervical and lumbar decompression, 252
Cowden's syndrome, Lhermitte-Duclos disease is clinical manifestation of, 202
Cystic lesions
congenital inclusion cysts of anterior fontanelle, 400
endodermal cyst of quadrigeminal cistern, 385
ganglion cyst in ligamentum flavum of cervical spine causing myelopathy, 390

giant internal carotid-posterior communicating artery aneurysm presenting with atypical trigeminal neuralgia and facial palsy in patient with autosomal dominant polycystic kidney disease, 127
intra-axial dermoid/epidermoid tumors of brainstem in children, 97

D
Deafferentation pain syndromes, microsurgical junctional DREZ coagulation for treatment of, 259
Dermoid cyst
congenital inclusion cysts of anterior fontanelle, 400
intra-axial dermoid/epidermoid tumors of brainstem in children, 97
Diabetes insipidus, neurohypophyseal germinoma traced from its earliest stage via magnetic resonance imaging, 236
DNA index, S-phase, and invasive behavior in anterior pituitary adenomas, 27
Dorsal root entry zone (DREZ), microsurgical junctional DREZ coagulation for treatment of deafferentation pain syndromes, 259
Dysplastic gangliocytoma, Lhermitte-Duclos disease is clinical manifestation of Cowden's syndrome, 202

E
Eclampsia, angioplasty for cerebral vasospasm from, 373
Editorials
AANS and CNS merger, 136
Can we do any better?, 66
The death of cerebral aneurysm surgery, 348
Is intraoperative MR-guided surgery of value?, 276
The right formula for a successful business or profession, 408
A solution for the present state of neurosurgery practice, 215
Some suggestions to improve our national societies, 282
On technology, science, and tea: what are we doing and why?, 406
In this issue, 1, 71, 139, 217, 285, 349
Why U.S. neurosurgeons are in trouble: competition, cost containment, and caring, 137
Elderly patients, management outcome for ruptured anterior circulation aneurysms with a Hunt and Hess clinical grade of III in patients in the 9th decade of life, 294
Electrical brain stimulation
bilateral subthalamic, in Parkinson's disease, 89
neurosurgical intervention for Parkinson's disease, 277
Embolization
fusiform aneurysm of vertebral artery presenting with hemifacial spasm treated by intravascular embolization, 52
surgical management of medullary hemangioblastoma, 218
symptomatic cavernous hemangioma of occipital condyle treated with methacrylate embolization, 301
Endodermal cyst of quadrigeminal cistern, 385
Entrapment neuropathy, isolated Rosai-Dorfman disease presenting as peripheral mononeuropathy and clinically mimicking a neurogenic tumor, 344
Epidermoid cyst
congenital inclusion cysts of anterior fontanelle, 400
intra-axial dermoid/epidermoid tumors of brainstem in children, 97

F
Facial palsy, giant internal carotid-posterior communicating artery aneurysm presenting with atypical trigeminal neuralgia and facial palsy in patient with autosomal dominant polycystic kidney disease, 127
Fibrous tumor of orbit, solitary, 242

G
Gamma knife
radiosurgery for trigeminal neuralgia, 67–le
radiosurgery of cavernous hemangiomas in cavernous sinus, 117
two-staged gamma knife radiosurgery for treatment of large petroclival and cavernous sinus meningiomas, 308
Ganglioglioma of brainstem, 315
Ganglion cyst in ligamentum flavum of cervical spine causing myelopathy, 390
Genetics
Lhermitte-Duclos disease is clinical manifestation of Cowden's syndrome, 202
suprasellar hemangioblastoma in patient with von Hippel-Lindau disease, 22
Geriatrics, management outcome for ruptured anterior circulation aneurysms with a Hunt and Hess clinical grade of III in patients in the 9th decade of life, 294
Germinoma, neurohypophyseal, traced from its earliest stage via magnetic resonance imaging, 236
Granulomas
multiple palisading, in scalp of an infant, 396
plasma cell granuloma of pituitary gland, 247
Guglielmi coils, fusiform aneurysm of vertebral artery presenting with hemifacial spasm treated by intravascular embolization, 52

H
Head injury
multiple intracranial lesions in, 82
nitric oxide metabolism in cerebrospinal fluid of patients with severe head injury, 350
post-traumatic occipitocervical pseudomeningocele, 62
propofol vs. isoflurane under hypothermic conditions: effects on intracranial pressure and local cerebral blood flow after diffuse traumatic brain injury in rat, 206
Hearing loss, improvement of chronic hearing loss after shunt revision, 185
Hemangioblastoma
medullary, surgical management of, 218
suprasellar, in patient with von Hippel-Lindau disease, 22

Hemangioma, symptomatic cavernous hemangioma of occipital condyle treated with methacrylate embolization, 301
Hematoma, multiple intracranial lesions in head injury, 82
Hemifacial spasm, fusiform aneurysm of vertebral artery presenting with, treated by intravascular embolization, 52
Hemorrhage
  hypertensive basal ganglia hemorrhage: prospective study comparing surgical and nonsurgical management, 287
  intraoperative magnetic resonance imaging for detection of hemorrhagic complications during surgery for intracerebral lesions, 266
  subarachnoid
    contemporary management of vasospasm and, 140
    management outcome for ruptured anterior circulation aneurysms with a Hunt and Hess clinical grade of III in patients in the 9th decade of life, 294
    tentorial dural arteriovenous fistula successfully treated with interruption of leptomeningeal venous drainage using microvascular Doppler sonography, 56
Histopathology
  ganglioglioma of brainstem, 315
  isolated Rosai-Dorfman disease presenting as peripheral mononeuropathy and clinically mimicking a neurogenic tumor, 344
  pathological evaluation of intervertebral disc tissue specimens after routine cervical and lumbar decompression, 252
  plasma cell granuloma of pituitary gland, 247
  pleomorphic xanthoastrocytoma with predominantly exophytic growth, 330
  primary central nervous system lymphoma with paraproteinemia, 325
  recurrence of convexity meningiomas: tumor cells in arachnoid membrane, 228
  solitary fibrous tumor of orbit, 242
How I do it, anterior cervical discectomy and fusion, 178
Hypertension
  angioplasty for cerebral vasospasm from eclampsia, 373
  hypertensive basal ganglia hemorrhage: prospective study comparing surgical and nonsurgical management, 287
Hypothermia, propofol vs. isoflurane under hypothermic conditions: effects on intracranial pressure and local cerebral blood flow after diffuse traumatic brain injury in rat, 206

I

Immunology, intracranial dissemination from thoracic spinal cord anaplastic astrocytoma in patient with idiopathic CD4-positive T lymphocytopenia, 39
Infection
  Aspergillus parasellar abscess mimicking radiation-induced neuropathy, 195
  streptococcal brain abscess, 189
Inflammation, nitric oxide metabolism in cerebrospinal fluid of patients with severe head injury, 350
Inflammatory pseudotumor, plasma cell granuloma of pituitary gland, 247
Instrumentation
  intraoperative irrigation device using disposable syringes and extension tube, 132
  reoperation rates for acute graft extrusion and pseudarthrosis after one-level anterior corpectomy and fusion with and without plate instrumentation, 73
Interleukin-8, nitric oxide metabolism in cerebrospinal fluid of patients with severe head injury, 350
Intervertebral disc
  anterior cervical discectomy and fusion, 178
  pathological evaluation of intervertebral disc tissue specimens after routine cervical and lumbar decompression, 252
  spontaneous regression of large lumbar disc herniation, 333
  technical note: unilateral posterior resection of cervical disc and spondylostenosis with contralateral fusion for instability, 256
Intracranial pressure, propofol vs. isoflurane under hypothermic conditions: effects on intracranial pressure and local cerebral blood flow after diffuse traumatic brain injury in rat, 206
Intraoperative compensation for brain shift, 357
Irrigation device, intraoperative, using disposable syringes and extension tube, 132
Isoflurane, vs. propofol under hypothermic conditions: effects on intracranial pressure and local cerebral blood flow after diffuse traumatic brain injury in rat, 206

J

Junctional DREZ coagulation, microsurgical, for treatment of deafferentation pain syndromes, 259

L

Leptomeninges
  spinal leptomeningeal metastasis from cerebral glioblastoma multiforme presenting with radicular pain, 33
  tentorial dural arteriovenous fistula successfully treated with interruption of leptomeningeal venous drainage using microvascular Doppler sonography, 56
Lhermitte-Duclos disease, 202
Ligamentum flavum, ganglion cyst in ligamentum flavum of cervical spine causing myelopathy, 390
Lumbar spine
  pathological evaluation of intervertebral disc tissue specimens after routine cervical and lumbar decompression, 252
  spontaneous regression of large lumbar disc herniation, 333
Lymphoma, primary central nervous system lymphoma with paraproteinemia, 325

M

Magnetic resonance imaging
  Aspergillus parasellar abscess mimicking radiation-induced neuropathy, 195

for detection of hemorrhagic complications during surgery for intracerebral lesions, 266
endodermal cyst of quadrigeminal cistern, 385
fusiform aneurysm of vertebral artery presenting with hemifacial spasm treated by intravascular embolization, 52
ganglioglioma of brainstem, 315
ganglion cyst in ligamentum flavum of cervical spine causing myelopathy, 390
giant internal carotid-posterior communicating artery aneurysm presenting with atypical trigeminal neuralgia and facial palsy in patient with autosomal dominant polycystic kidney disease, 127
intra-axial dermoid/epidermoid tumors of brainstem in children, 97
intracranial dissemination from thoracic spinal cord anaplastic astrocytoma in patient with idiopathic CD4-positive T lymphocytopenia, 39
intraoperative compensation for brain shift, 357
is intraoperative MR-guided surgery of value?, 276–ed
Lhermitte-Duclos disease, 202
multiple palisading granulomas in scalp of an infant, 396
neoplastic growth of cerebral cavernous malformation presenting with impending cerebral herniation, 42
neurohypophyseal germinoma traced from its earliest stage via, 236
ocular manifestations of sphenoid mucoceles, 338
plasma cell granuloma of pituitary gland, 247
pleomorphic xanthoastrocytoma with predominantly exophytic growth, 330
post-traumatic occipitocervical pseudomeningocele, 62
posterior fossa meningiomas, 8
radiosurgery of cavernous hemangiomas in cavernous sinus, 117
spinal dural arteriovenous fistula with supply from sacral arteries, 175
spinal leptomeningeal metastasis from cerebral glioblastoma multiforme presenting with radicular pain, 33
spontaneous regression of large lumbar disc herniation, 333
suprasellar hemangioblastoma in patient with von Hippel-Lindau disease, 22
surgical management of medullary hemangioblastoma, 218
tentorial dural arteriovenous fistula successfully treated with interruption of leptomeningeal venous drainage using microvascular Doppler sonography, 56
transoral transclival removal of anteriorly placed cavernous malformations of brainstem, 106
Medullary hemangioblastoma, surgical management of, 218
Meningioma
posterior fossa, 8
recurrence of convexity meningiomas: tumor cells in arachnoid membrane, 228
two-staged gamma knife radiosurgery for treatment of large petroclival and cavernous sinus meningiomas, 308
Metastatic disease
intracranial dissemination from thoracic spinal cord anaplastic astrocytoma in patient with idiopathic CD4-positive T lymphocytopenia, 39
spinal leptomeningeal metastasis from cerebral glioblastoma multiforme presenting with radicular pain, 33
Microsurgery
influence of surgical experience on rate of intraoperative aneurysm rupture and impact on aneurysm treatment outcome, 151
intraoperative irrigation device using disposable syringes and extension tube, 132
microsurgical junctional DREZ coagulation for treatment of deafferentation pain syndromes, 259
Modified Barthel Index, hypertensive basal ganglia hemorrhage: prospective study comparing surgical and nonsurgical management, 287
Myelopathy, ganglion cyst in ligamentum flavum of cervical spine causing, 390

N

Neoplasms
DNA index, S-phase, and invasive behavior in anterior pituitary adenomas, 27
ganglioglioma of brainstem, 315
intra-axial dermoid/epidermoid tumors of brainstem in children, 97
intracranial dissemination from thoracic spinal cord anaplastic astrocytoma in patient with idiopathic CD4-positive T lymphocytopenia, 39
neoplastic growth of cerebral cavernous malformation presenting with impending cerebral herniation, 42
neurohypophyseal germinoma traced from its earliest stage via magnetic resonance imaging, 236
pleomorphic xanthoastrocytoma with predominantly exophytic growth, 330
posterior fossa meningiomas, 8
primary central nervous system lymphoma with paraproteinemia, 325
radiosurgery of cavernous hemangioma in cavernous sinus, 117
recurrence of convexity meningiomas: tumor cells in arachnoid membrane, 228
solitary fibrous tumor of orbit, 242
spinal leptomeningeal metastasis from cerebral glioblastoma multiforme presenting with radicular pain, 33
suprasellar hemangioblastoma in patient with von Hippel-Lindau disease, 22
surgical management of medullary hemangioblastoma, 218
symptomatic cavernous hemangioma of occipital condyle treated with methacrylate embolization, 301
transoral transclival removal of anteriorly placed cavernous malformations of brainstem, 106
two-staged gamma knife radiosurgery for treatment of large petroclival and cavernous sinus meningiomas, 308
Neuronavigation
intraoperative compensation for brain shift, 357
stereotactic biopsy aided by a computer graphics workstation, 366

Neurosurgery
AANS and CNS merger, 136–ed
death of cerebral aneurysm surgery, 348–ed
the right formula for a successful business or profession, 408–ed
solution for the present state of neurosurgery practice, 215–ed
some suggestions to improve our national societies, 282–ed
why U.S. neurosurgeons are in trouble: competition, cost containment, and caring, 137–ed
Nitric oxide metabolism, in cerebrospinal fluid of patients with severe head injury, 350
Normal perfusion pressure breakthrough, cerebral blood flow imaging in arteriovenous malformation complicated by, 380

O
Ocular manifestations of sphenoid mucoceles, 338
Orbit, solitary fibrous tumor of, 242
Outcome
carotid endarterectomy results in early years of practice, 46
influence of surgical experience on rate of intraoperative aneurysm rupture and impact on aneurysm treatment outcome, 151
management outcome for ruptured anterior circulation aneurysms with a Hunt and Hess clinical grade of III in patients in the 9th decade of life, 294
microsurgical junctional DREZ coagulation for treatment of deafferentation pain syndromes, 259

P
Pain, microsurgical junctional DREZ coagulation for treatment of deafferentation pain syndromes, 259
Pallidotomy, neurosurgical intervention for Parkinson's disease, 277
Papaverine-induced seizures, 159
Paranasal sinuses, radiosurgery of cavernous hemangiomas in cavernous sinus, 117
Paraproteinemia, primary central nervous system lymphoma with, 325
Parkinson's disease
bilateral subthalamic electrical stimulation in, 89
neurosurgical intervention for, 277
Pediatric patients
congenital inclusion cysts of anterior fontanelle, 400
intra-axial dermoid/epidermoid tumors of brainstem in children, 97
multiple palisading granulomas in scalp of an infant, 396
post-traumatic occipitocervical pseudomeningocele, 62
Peripheral neuropathy, isolated Rosai-Dorfman disease presenting as peripheral mononeuropathy and clinically mimicking a neurogenic tumor, 344
Pituitary gland
DNA index, S-phase, and invasive behavior in anterior pituitary adenomas, 27
neurohypophyseal germinoma traced from its earliest stage via magnetic resonance imaging, 236
plasma cell granuloma of, 247
Plasma cell granuloma of pituitary gland, 247
Pleomorphic xanthoastrocytoma with predominantly exophytic growth, 330
Polycystic kidney disease, autosomal dominant, giant internal carotid-posterior communicating artery aneurysm presenting with atypical trigeminal neuralgia and facial palsy in patient with, 127
Pregnancy, angioplasty for cerebral vasospasm from eclampsia, 373
Professional societies
AANS and CNS merger, 136–ed
some suggestions to improve our national societies, 282–ed
Propofol, vs. isoflurane under hypothermic conditions: effects on intracranial pressure and local cerebral blood flow after diffuse traumatic brain injury in rat, 206
Pseudarthrosis, reoperation rates for acute graft extrusion and pseudarthrosis after one-level anterior corpectomy and fusion with and without plate instrumentation, 73
Pseudomeningocele, post-traumatic occipitocervical, 62
Pseudotumor, plasma cell granuloma of pituitary gland, 247

Q
Quadrigeminal cistern, endodermal cyst of, 385

R
Radiculopathy
ganglion cyst in ligamentum flavum of cervical spine causing myelopathy, 390
spinal leptomeningeal metastasis from cerebral glioblastoma multiforme presenting with radicular pain, 33
Radiosurgery
Aspergillus parasellar abscess mimicking radiation-induced neuropathy, 195
of cavernous hemangiomas in cavernous sinus, 117
for trigeminal neuralgia, 67–le
two-staged gamma knife radiosurgery for treatment of large petroclival and cavernous sinus meningiomas, 308
Readers' comments, Radiosurgery for trigeminal neuralgia, 67–le
Research, "show me the numbers": application of numbers to medical science, 3
Rosai-Dorfman disease, isolated, presenting as peripheral mononeuropathy and clinically mimicking a neurogenic tumor, 344

S
Scalp, multiple palisading granulomas in scalp of an infant, 396
Seizures, intra-arterial papaverine-induced, 159
Single photon emission computed tomography, cerebral blood flow imaging in arteriovenous malformation complicated by normal perfusion pressure breakthrough, 380
Solitary fibrous tumor of orbit, 242
Sphenoid mucoceles, ocular manifestations of, 338
Spinal cord

dorsal spine injuries in Saudi Arabia, 181
intracranial dissemination from thoracic spinal cord anaplastic astrocytoma in patient with idiopathic CD4-positive T lymphocytopenia, 39
spinal dural arteriovenous fistula with supply from sacral arteries, 175
spinal leptomeningeal metastasis from cerebral glioblastoma multiforme presenting with radicular pain, 33
usefulness of color Doppler ultrasound in management of spinal arteriovenous fistula, 304
Spinal fusion
anterior cervical discectomy and fusion, 178
reoperation rates for acute graft extrusion and pseudarthrosis after one-level anterior corpectomy and fusion with and without plate instrumentation, 73
technical note: unilateral posterior resection of cervical disc and spondylostenosis with contralateral fusion for instability, 256
Statistics, "show me the numbers": application of numbers to medical science, 3
Stereotactic procedures
bilateral subthalamic electrical stimulation in Parkinson's disease, 89
stereotactic biopsy aided by a computer graphics workstation, 366
Streptococcal brain abscess, 189
Subarachnoid hemorrhage
contemporary management of vasospasm and, 140
management outcome for ruptured anterior circulation aneurysms with a Hunt and Hess clinical grade of III in patients in the 9th decade of life, 294
tentorial dural arteriovenous fistula successfully treated with interruption of leptomeningeal venous drainage using microvascular Doppler sonography, 56
Subthalamic electrical stimulation, bilateral, in Parkinson's disease, 89
Surgical technique
anteposition of internal carotid artery for surgical treatment of kinking, 124
anterior cervical discectomy and fusion, 178
influence of surgical experience on rate of intraoperative aneurysm rupture and impact on aneurysm treatment outcome, 151
intraoperative irrigation device using disposable syringes and extension tube, 132
management of medullary hemangioblastoma, 218
posterior fossa meningiomas, 8
radiosurgery of cavernous hemangiomas in cavernous sinus, 117
stereotactic biopsy aided by a computer graphics workstation, 366
tandem bypass: subclavian artery-to-middle cerebral artery bypass with Dacron and saphenous vein grafts, 164
transoral transclival removal of anteriorly placed cavernous malformations of brainstem, 106

T
Technical note, unilateral posterior resection of cervical disc and spondylostenosis with contralateral fusion for instability, 256
Technology
stereotactic biopsy aided by a computer graphics workstation, 366
on technology, science, and tea: what are we doing and why?, 406–ed
Tentorium, tentorial dural arteriovenous fistula successfully treated with interruption of leptomeningeal venous drainage using microvascular Doppler sonography, 56
Thalamotomy, neurosurgical intervention for Parkinson's disease, 277
Transoral transclival removal of anteriorly placed cavernous malformations of brainstem, 106
Transsphenoidal surgery, *Aspergillus* parasellar abscess mimicking radiation-induced neuropathy, 195
Trauma
dorsal spine injuries in Saudi Arabia, 181
multiple intracranial lesions in head injury, 82
nitric oxide metabolism in cerebrospinal fluid of patients with severe head injury, 350
post-traumatic occipitocervical pseudomeningocele, 62
propofol vs. isoflurane under hypothermic conditions: effects on intracranial pressure and local cerebral blood flow after diffuse traumatic brain injury in rat, 206
Trigeminal neuralgia
giant internal carotid-posterior communicating artery aneurysm presenting with atypical trigeminal neuralgia and facial palsy in patient with autosomal dominant polycystic kidney disease, 127
radiosurgery for, 67–le

U
Ultrasound
intraoperative compensation for brain shift, 357
tentorial dural arteriovenous fistula successfully treated with interruption of leptomeningeal venous drainage using microvascular Doppler sonography, 56
usefulness of color Doppler ultrasound in management of spinal arteriovenous fistula, 304

V
Vasculature
angioplasty for cerebral vasospasm from eclampsia, 373
anteposition of internal carotid artery for surgical treatment of kinking, 124
carotid endarterectomy results in early years of practice, 46
cerebral blood flow imaging in arteriovenous malformation complicated by normal perfusion pressure breakthrough, 380
contemporary management of subarachnoid hemorrhage and vasospasm, 140
fusiform aneurysm of vertebral artery presenting with hemifacial spasm treated by intravascular embolization, 52
giant internal carotid-posterior communicating artery aneurysm presenting with atypical trigeminal neuralgia and facial palsy in patient with autosomal dominant polycystic kidney disease, 127

hypertensive basal ganglia hemorrhage: prospective study comparing surgical and nonsurgical management, 287
management outcome for ruptured anterior circulation aneurysms with a Hunt and Hess clinical grade of III in patients in the 9th decade of life, 294
neoplastic growth of cerebral cavernous malformation presenting with impending cerebral herniation, 42
radiosurgery of cavernous hemangiomas in cavernous sinus, 117
spinal dural arteriovenous fistula with supply from sacral arteries, 175
symptomatic cavernous hemangioma of occipital condyle treated with methacrylate embolization, 301
tandem bypass: subclavian artery-to-middle cerebral artery bypass with Dacron and saphenous vein grafts, 164
tentorial dural arteriovenous fistula successfully treated with interruption of leptomeningeal venous drainage using microvascular Doppler sonography, 56
transoral transclival removal of anteriorly placed cavernous malformations of brainstem, 106
usefulness of color Doppler ultrasound in management of spinal arteriovenous fistula, 304
venous malformation serving as draining vein of adjoining arteriovenous malformation, 170
Vertebral artery, fusiform aneurysm of, presenting with hemifacial spasm treated by intravascular embolization, 52
von Hippel-Lindau disease, suprasellar hemangioblastoma in patient with, 22